

JUL 05 2007

U.S. Pat. App. No. 10/697,929

CLAIM AMENDMENTS

1. (currently amended) A secure document access method comprising:  
at a multi-function peripheral,  
capturing contents of a document;  
generating a key from a cryptographic engine;  
encrypting the contents of the document using said key ~~by a multi-~~  
~~function peripheral;~~  
encoding the key;  
storing said encrypted document;  
communicating the encoded key to at least one authorized user; and  
enabling accessing to the contents of the encrypted document utilizing said  
key by the at least one authorized user.
2. (original) The method of claim 1, wherein the encoded key is transmitted to the at least one authorized user in an electronic form.
3. (original) The method of claim 1, wherein the encoded key is represented by a half-tone pattern.
4. (original) The method of claim 2, wherein the encoded key is output via a printer.
5. (original) The method of claim 2, wherein the encoded key is transferred to the at least one authorized user in a secure manner.
6. (original) The method of claim 1, wherein the cryptographic key is generated via a software process.
7. (original) The method of claim 1, wherein the encryption specifies a maximum number of times the encrypted document is to be accessed.

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8. (original) The method of claim 7, wherein a remaining number of times the document is available for output is indicated.
9. (original) The method of claim 1, wherein the encryption specifies a time by which the encrypted document is to be accessed.
10. (currently amended) The method of claim 1, further comprising:  
~~wherein a first multi-function peripheral captures the contents of the document and~~  
enabling the authorized user to ~~accesses~~ the document at a second multi-function peripheral.
11. (currently amended) The method of claim 1, wherein said accessing of the encrypted document comprises the steps of:  
    decoding said encoded key;  
    locating the encrypted document;  
    retrieving the encrypted document;  
    decrypting the contents of the encrypted document; and  
    outputting contents of the document.
12. (original) The method of claim 1, wherein contents of the document are captured line by line.
13. (currently amended) A system for accessing a secure document comprising a computing device coupled to a multi-function peripheral, said peripheral including:  
    means for capturing contents of a document;  
    means for generating a cryptographic key;  
    means for encrypting contents of the document;  
    means for encoding said key;  
    means for storing the encrypted document;  
    means for communicating the encoded key to at least one authorized user; and

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means for enabling accessing to the contents of the encrypted document utilizing said key by the at least one authorized user, ~~wherein the contents of the encrypted document are encrypted by a multi-function peripheral.~~

14. (currently amended) A multi-function peripheral comprising:
  - a scanner for capturing contents of a document;
  - a cryptographic engine for generating a cryptographic key;
  - at least one application specific integrated circuit (ASIC) programmed to encrypt contents of the document and to encode the cryptographic key;
  - a memory device for storing contents of the document; and
  - a facsimile device for transmitting data,

wherein said peripheral enables an authorized user to access said document at said peripheral using said encoded key.
15. (original) The multi-function peripheral of claim 14 further comprising: a digital sender unit for submitting the encoded key to a recipient in an electronic manner.
16. (original) The multi-function peripheral of claim 14 further comprising:
  - a network card for communicating with another multi-function peripheral over a network.
17. (original) The multi-function peripheral of claim 16 wherein the network is a secure network.
18. (original) The multi-function peripheral of claim 14, wherein said cryptographic engine is another application specific integrated circuit (ASIC).
19. (original) The multi-function peripheral of claim 14, wherein said cryptographic engine is a software process.

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20. (original) The multi-function peripheral of claim 14, wherein said at least one ASIC is programmed to decode the encoded key and to decrypt the encrypted document.
21. (original) The multi-function peripheral of claim 14 further comprising:  
a printer for outputting the key in the encoded form.
22. (original) The multi-function peripheral of claim 14, wherein the at least one ASIC is programmed to generate the cryptographic key.
23. (original) The multi-function peripheral of claim 14, wherein the facsimile machine transmits the key in the encoded form.
24. (currently amended) A machine readable medium comprising a computer program for causing a computer to:  
create a document;  
submit the document to a peripheral having a cryptographic engine; and  
instruct the peripheral to encrypt contents of the document, said instructions further causing the peripheral to:  
generate a key from the cryptographic engine;  
encrypt contents of the document using said key;  
store the encrypted document;  
encode the key; ~~and~~  
transmit the key to at least one authorized user for accessing the encrypted document, and  
enabling said authorized user to access said document at said peripheral using said key.